AMENDMENTS TO THE CLAIMS

The following listing of Claims will replace all prior versions and listing of claims in the application:

1. (currently amended) A method for printing comprising the steps of:
receiving a print designation to print a document;
receiving a description of graphics contained in the document;
obtaining one of the graphics;
determining if a preprocessed form of the graphic is available for reuse, and if so, retrieving the processed data therefor from preprocessed graphics storage, otherwise processing the graphic;
if the preprocessed form of the graphic is not available for reuse, then determining if the newly processed graphic should be stored in preprocessed graphics storage based on a criterion and if so, then storing the newly processed graphic in the preprocessed graphics storage, wherein the criterion is selected from whether the graphic is repeated more than a predetermined number of times, whether the graphic is repeated across a plurality of documents to be printed, and whether the graphic is less than an entire page, and whether a manual selection has been made; and
formulating a print job.

2-7. (cancelled)

8. (original) The method as defined in claim 1, further comprising the step of printing the document.

9. (previously presented) The method as defined in claim 1, wherein the processing step comprises creating a bitmap from the graphic.

10. (original) The method as defined in claim 1, wherein the obtaining step comprises interacting with a composition store service to obtain the graphic.

11. (original) The method as defined in claim 1, wherein the obtaining step comprises interacting with a graphic store service to obtain the graphic.

12. (original) The method as defined in claim 1, wherein the obtaining step comprises interacting with a web imaging extension to obtain the graphic.

13. (currently amended) A method for fast processing of graphics for printing, comprising the steps of:
determining graphics that are to be preprocessed and reused based on a criterion selected from whether a given graphic is repeated more than a predetermined number of times, whether the given graphic is less than an entire page, and whether the given graphic is repeated across a plurality of documents to be printed, and whether a manual selection has been made;
preprocessing the determined graphics; and
storing the preprocessed graphics.

14-18. (cancelled)

19. (Original) The method as defined in claim 13, wherein the preprocessing step comprises creating a bitmap of the content.

20. (Original) The method as defined in claim 19, wherein the preprocessing comprises compressing the bitmap.

21. (currently amended) A printer web service for printing comprising:

a web interface;

a printer;

a first component for receiving a print designation from the web interface to print a document;

a second component for obtaining a description of graphics contained in the document;

a third component for obtaining one of the graphics or a reference thereto;

a fourth component for determining if the graphic has been already preprocessed and available for reuse, and if so, retrieving the processed data therefor from a preprocessed graphics storage, and if no, then processing the graphic;

a fifth component for formulating a print job; and

a sixth component for, if it is determined that a preprocessed form of the graphic is not available for reuse, determining if the newly processed graphic should be stored in preprocessed graphics storage based on a criterion and if so, then storing the newly processed graphic in the preprocessed graphics storage, wherein the criterion is selected from whether the graphic is repeated more than a predetermined number of times, whether the graphic is repeated across a plurality of documents to be printed, and whether the graphic is less than an entire page, and whether a manual selection has been made.

22. (cancelled)

23. (currently amended) A program product for printing comprising a computer readable medium having program code for causing a printer to perform the following method steps:

receiving a print designation to print a document;

receiving a description of graphics contained in the document;

obtaining one of the graphics or a reference thereto;

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determining if a preprocessed form of the graphic is available for reuse, and if so, retrieving the processed data therefor from preprocessed graphics storage otherwise processing the graphic;

if the preprocessed form of the graphic is not available for reuse, then determining if the newly processed graphic should be stored in preprocessed graphics storage based on a criterion and if so, then storing the newly processed graphic in the preprocessed graphics storage, wherein the criterion is selected from whether the graphic is repeated more than a predetermined number of times, whether the graphic is repeated across a plurality of documents to be printed, and whether the graphic is less than an entire page, and whether a manual selection has been made; and

formulating a print job.

24-25. (cancelled)

26. (currently amended) A method for printing comprising the steps of:
receiving a print designation to print a plurality of documents;

receiving a description of graphics contained in the each of the plurality of documents;

for each of a plurality of the graphics in the plurality of documents,

obtaining the graphic;

determining if a preprocessed form of the obtained graphic has been is available for reuse, and if so, retrieving the processed data therefor from preprocessed graphics storage, otherwise processing the graphic; and

if the preprocessed form of the graphic is not available for reuse, then determining if the newly processed graphic should be stored in preprocessed graphics storage based on a criterion and if so, then storing the newly processed graphic in the preprocessed graphics storage, wherein the criterion is selected from whether the graphic is repeated more than a predetermined number of times, whether the

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graphic is repeated across the plurality of documents to be printed, and whether the graphic is less than an entire page, and whether a manual selection has been made.

27-32. (cancelled)

33. (previously presented) The method as defined in claim 26, further comprising the step of printing the plurality of documents.

34. (previously presented) The method as defined in claim 26, wherein the processing step comprises creating a bitmap from the graphic.

35. (original) The method as defined in claim 26, wherein the obtaining step comprises interacting with a composition store service.

36. (original) The method as defined in claim 26, wherein the obtaining step comprises interacting with a graphic store service.

37. (original) The method as defined in claim 26, wherein the obtaining step comprises interacting with a web imaging extension.

38. (currently amended) A method for fast processing of graphics for printing in a plurality of print jobs, comprising the steps of:

determining graphics that are to be preprocessed in the plurality of print jobs based on a criterion selected from whether a given graphic is repeated more than a predetermined number of times, whether the given graphic is less than an entire page, and whether the given graphic is repeated across a plurality of documents to be printed, and whether a manual selection has been made;

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preprocessing the determined graphics;

storing the preprocessed graphics;

retrieving selected preprocessed graphics; and

formulating a plurality of print jobs that includes the preprocessed graphics.

39-40 (cancelled)

41. (currently amended) A system for printing comprising:

a component for receiving a print designation to print a plurality of documents;

a component for receiving a description of graphics contained in the each of the plurality of documents;

a component for obtaining the graphic for each of a plurality of the graphics in the plurality of documents;

a component for determining if a preprocessed form of each of the obtained graphics has been is available for reuse, and if so, retrieving the processed data therefor from preprocessed graphics storage;

a component for, if it is determined that a preprocessed form of a particular graphic is not available for reuse, determining if a processed form of the particular graphic should be stored in preprocessed graphics storage based on a criterion and if so, then processing and storing the particular graphic in the preprocessed graphics storage, wherein the criterion is selected from whether the particular graphic is repeated more than a predetermined number of times, whether the particular graphic is repeated across a plurality of documents to be printed, and whether the particular graphic is less than an entire page, and whether a manual selection has been made; and

a component for formulating a print job.

42. (currently amended) A program product for printing comprising a computer readable medium having computer readable code for causing a system to perform the following method steps:

receiving a print designation to print a plurality of documents;

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receiving a description of graphics contained in the each of the plurality of documents;

for each of a plurality of the graphics in the plurality of documents,

obtaining the graphic;

determining if a preprocessed form of the obtained graphic is available for reuse, and if so, retrieving the processed data therefor from preprocessed graphics storage; and

if the preprocessed form of the graphic is not available for reuse, then determining if the newly processed graphic should be stored in preprocessed graphics storage based on a criterion and if so, then storing the newly processed graphic in the preprocessed graphics storage, wherein the criterion is selected from whether the graphic is repeated more than a predetermined number of times, whether the graphic is repeated across the plurality of documents to be printed, <u>and</u> whether the graphic is less than an entire page, ~~and whether a manual selection has been made~~.

43 (currently amended) A program product for fast processing of graphics for printing comprising a computer readable medium having computer readable code for causing a system to perform the following method steps:

determining graphics that are to be preprocessed and reused based on a criterion selected from whether a given graphic is repeated more than a predetermined number of times, whether the given graphic is less than an entire page, <u>and</u> whether the given graphic is repeated across a plurality of documents to be printed ~~and whether a manual selection has been made~~;

preprocessing the determined graphics; and

storing the preprocessed graphics.

44. (previously presented) The product as defined in claim 42, wherein the preprocessing step comprises creating a bitmap of the content.

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45. (previously presented) The product as defined in claim 43, wherein the preprocessing comprises compressing the bitmap.